



# 4" Swivel Vise with Anvil

## Model 38388

### Assembly and Operating Instructions



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**For technical questions and replacement parts, please call 1-800-444-3353.**

THANK YOU for choosing a HARBOR FREIGHT TOOLS product! For future reference, please complete the owner's record below:

Model: \_\_\_\_\_ Serial No: \_\_\_\_\_ Purchase Date: \_\_\_\_\_

**SAVE THE RECEIPT, WARRANTY CARD AND THESE INSTRUCTIONS.** It is important that you read this entire manual to become familiar with the unit **BEFORE** you use.

## Technical Specifications

Jaw Width: 4-1/8"

Maximum Jaw Opening: 4-3/4"

Base Dimensions: 6" x 6"

Base Swivel Capacity: 180 Degrees

Mounting Hole Diameter: 3/8", Qty = 3

Anvil Dimension: 3-1/2"

Overall Dimensions: 13" L, 7-1/2" W, 6-1/4" H

## Unpacking and Assembly

Open carton and remove vise from packing material. The shipping box should contain:

- ✓ One (1) fully assembled 4" Swivel Vise with Anvil
- ✓ Instruction manual
- ✓ One (1) Warranty Card

Before using, make sure all connections are secure. Refer to the parts diagram for location and identification of parts. Make sure you have all parts described above. Check parts and assemblies for damaged or missing items. If any parts are missing or broken, please call HARBOR FREIGHT TOOLS at 1-800-444-3353.

Clean your vise to remove preservation solution. Use a degreasing solvent or soap and water to remove preservative covering

## **READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT!**

### Work Area

*TO AVOID RISK OF PERSONAL INJURY AND EQUIPMENT MAKE SURE YOUR WORK AREA IS:*

- ✓ Free of dampness
- ✓ Free of children (never let them handle tools or machinery)
- ✓ Clean and uncluttered

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## Operation

*COMMON SENSE AND CAUTION CANNOT BE BUILT INTO ANY PRODUCT. THESE FACTORS MUST BE SUPPLIED BY THE OPERATOR. PLEASE REMEMBER:*

- ✓ Stay alert. Never operate product if you are tired.
- ✓ Do not operate the product if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment/reflexes might be impaired.
- ✓ Always be aware of how your fingers are positioned when the Jaws are being adjusted.
- ✓ Do not wear loose clothing or jewelry as they can be caught in moving parts.
- ✓ Wear restrictive hair covering to contain long hair.
- ✓ Do not try to use inappropriate attachments in an attempt to exceed the product's capacity. Approved accessories or replacement parts are available from HARBOR FREIGHT TOOLS.
- ✓ Check for damaged parts. Any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- ✓ Check for alignment and binding of all moving parts, broken parts or mounting fixtures and any other condition that may affect proper operation. Any part that is damaged should be properly repaired by a qualified technician.
- ✓ Never force the product to do the work of a larger industrial tool. Use the proper size vise for the work to be performed.
- ✓ Use clamps in conjunction with the vise to secure work operation. Proper clamping will free your hands to operate.

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*IF THERE IS ANY QUESTION ABOUT A CONDITION BEING SAFE OR UNSAFE, DO NOT USE THIS PRODUCT*

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## Mounting Vise to a WOOD Workbench

1. Measure the thickness of your workbench. To securely mount your vise to a wooden workbench, mount 2" W x 2" H x 8" L lengths of wood underneath the mounting points of the vise to add strength.
2. Purchase three bolts, nuts and flat washers that are the appropriate length for the thickness of the workbench and add one inch (1") of length to the length of the bolts for the vise.
3. Mark and drill the holes through the workbench, using the base as a template, for the three mounting tabs on the base of the vise.
4. Position the vise on the workbench and line up the holes drilled in Step Three with the holes in the mounting tabs.
5. Insert bolts into the mounting tabs and through the workbench.

## Mounting Vise to a METAL Workbench

1. Measure the thickness of your workbench. To securely mount your vise to a metal workbench, mount an 8" square x 3/16" thick reinforcing plate underneath the mounting points when Step 1 above is performed.
2. Purchase three bolts, nuts and flat washers that are the appropriate length for the thickness of the workbench and add one inch (1") of length to the length of the bolts for the vise.
3. Mark and drill the holes through the workbench, using the base as a template, for the three mounting tabs on the base of the vise.
4. Mark and drill the reinforcing plate, using the base of the vise as a template.
5. Position the vise on the workbench and line up the holes drilled in Step Three with the holes in the mounting tabs.
6. Insert bolts into the mounting tabs and through the workbench as shown in Figure One. (**Note:** Remember to attach the reinforcing plate underneath the workbench, then thread on the nuts and tighten the bolts.)

## Clamping

**Do not overtighten. You can damage or crush your material. If crushing begins, STOP!**

1. Open vise by turning the handle (#10) counterclockwise, until you have 1/4" of space between your material and each jaw of the vise.
2. Hold material between the jaws while you slowly tighten the vise by turning the handle clockwise.
3. When your material is snug between the jaws, stop tightening.
4. Tighten the vise until you can no longer move the material you are working on. **DO NOT OVER TIGHTEN.**
5. When finished working on the material, turn the handle counterclockwise. This will release the material from the vise.

## Swivel Base

When the material is securely clamped in the vise, decide if you need to rotate the vise to allow better and safer access to material while working. If you need to change the position of the vise, refer to steps below:

1. Locate the Base Nut with Handles (#2).
2. Unlock the base locking lever by turning the handle counterclockwise.
3. Swivel the vise to the desired position.
4. Lock the base locking lever by turning the handles clockwise until tight.

## TROUBLESHOOTING & MAINTENANCE

**CLEANING:** Regularly clean vise immediately after use to maintain the product in the best and safest operating condition.

**LUBRICATION:** For average use, lightly lubricate twice a year with #20-30 weight household oil.

**REPLACEMENT PARTS:** When servicing, use only identical replacement parts. Use of any other parts will void the warranty.

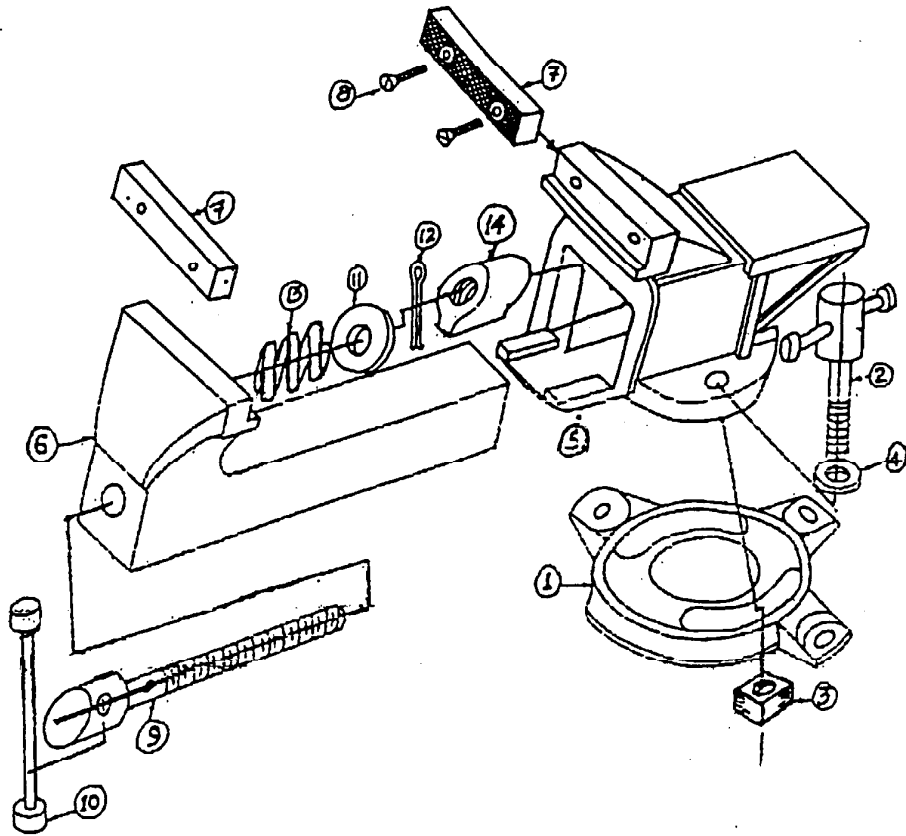
**STORAGE:** When not in use, tool should be stored in a dry location to inhibit rust.

**KEEP OUT OF REACH OF CHILDREN**

## Part Number Listing

| <i>Part #</i> | <i>PART NAME</i>     | <i>Pcs.</i> | <i>Part #</i> | <i>PART NAME</i> | <i>Pcs.</i> |
|---------------|----------------------|-------------|---------------|------------------|-------------|
| 1             | Base                 | 1           | 8             | C.S.K. Screws    | 2           |
| 2             | Base Nut with Handle | 1           | 9             | Main Spindle     | 1           |
| 3             | Square Nut           | 1           | 10            | Handle           | 1           |
| 4             | Washer               | 1           | 11            | Washer           | 1           |
| 5             | Mouth                | 1           | 12            | Split Pin        | 1           |
| 6             | Moving Slide         | 1           | 13            | Spring           | 1           |
| 7             | Carbon Steel Jaws    | 2           | 14            | Spindle Nut      | 1           |

# Parts Diagram



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